

Task

The driver-side SAM control unit with fuse and relay module (N10/1) is connected to the Controller Area Network bus Class B (interior) (CAN-B) for the exchange of data

The driver-side SAM control unit with fuse and relay module (N10/1) reads in the following signals, sensors and switches, controls if necessary their function illumination and switch and controls illumination and switches the following relays and consumers via semiconductor switches.

Control

- Left front exterior lights
- Footwell lighting
- Ventilation of control unit box
- Wiper system (WSA)
- Fanfare horns (H2), right-hand fanfare horn (H2/1)

Reading in the following switches:

- Rotary light switch (S1)
- HCS [SRA] switch (S1s1)
(with code (600) headlamp cleaning system up to 31.5.07)
- Brake fluid indicator switch (S11)
- Parking brake switch (S12)
- Coolant level indicator switch (S41)
- Windshield washer system fluid level indicator switch (S42)
- Left front brake pad contact sensor (S10/1)
- Right front brake pad contact sensor (S10/2)
- Right rear brake pad contact sensor (S10/4)

Switching the relay

- Fanfare horn relay (N10/1kO)

- HCS [SRA] pump (M5/2)
(with code (600) headlamp cleaning system)
- Left front side-marker lamp  (E6/1)
(for code (494) USA version)
- Right front side-marker lamp  (E6/2)
(for code (494) USA version)
- Shift gate illumination (S16/5e1)
(with code (460) Additional parts, Canadian vehicles,
code (625) Australia version or code (494) USA version)

- Headlamp cleaning system (SRA)
(with code (600) headlamp cleaning system)
- Heating the windshield washer system
(with code (875) heated windshield washer system)

Reading and outputting the following signals

- Circuit 61 and circuit 58d
- Wake-up signal for air suspension
(with code (489) Airmatic (semi-active air suspension))

Reading in following sensors

- Coolant temperature sensor (B11/4)
- Refrigerant pressure and temperature sensor (B12/2) (up to 31.5.05)
- Refrigerant pressure sensor (B12) (as of 1.6.05)
- Outside temperature indicator temperature sensor (B14)

Switching loads

- Left high beam (E1e1)
- Left low beam (E1e2)
- Left standing and parking lamp (E1e3)
- Left turn signal lamp (E1e5)
- Left front fog lamp (E5/1)
- Right front footwell lamp (E17/15)
- Left front footwell lamp (E17/16)
- Right rear footwell lamp (E17/17)
- Left rear footwell lamp (E17/18)
- Control unit box blower motor (M2/2)
- Windshield washer fluid pump (M5/1)
- Washer nozzle heating (R2/1)
- Heat exchanger shutoff motor (M16/32)
- Washer nozzle hose heater (R2/11)
(with code (875) heated windshield washer system)

Variant coding

- Code (460) Additional parts, Canadian vehicles
- Code (494) USA version
- Code (625) Australia version